

IN THE SPECIFICATION

Please replace the paragraph comprising lines 4-5 of page 3 with the following:

-- Said object is achieved by a parallel data processing device having at least one matrix of processors arranged in rows and columns, first additional data ports located outside the matrix and second additional data ports located outside the matrix, wherein (i) the rows are arranged in a stepwise fashion relative to one another, (ii) the columns are arranged in a stepwise fashion relative to one another, (iii) processors have a first processor data port which is connected with one of the first external data ports by means of a first at least straight connection, and (iv) processors have a second processor data port which is connected with one of the second external data ports by means of a second at least essentially straight connection, wherein the second at least essentially straight connection is oriented at least essentially orthogonal to the first at least essentially straight connection. --

Deleted: as described in the opening paragraph, characterized as defined in claim 1

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